

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Dexiang CHEN et al.

Title: INDUCTION OF MUCOSAL IMMUNITY BY VACCINATION VIA THE
SKIN ROUTE

Prior Appl. 09/710,104
No.:

Prior Appl. 11/09/2000
Filing Date:

Examiner: Unassigned

Art Unit: Unassigned

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop PATENT APPLICATION
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Sir:

Applicant submits herewith on Form PTO/SB/08 a listing of the documents cited by or submitted to the U.S. PTO in parent application Serial No. 09/710,104, filed 11/09/2000. As provided in 37 CFR §1.98(d), copies of the documents are not being provided since they were previously submitted to the United States Patent & Trademark Office in the above-identified parent application.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date December 2, 2003

By Richard C. Peet

FOLEY & LARDNER
Customer Number: 27476
Telephone: (202) 672-5483
Facsimile: (202) 672-5399

Richard C. Peet
Attorney for Applicant
Registration No. 35,792

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: December 2, 2003 <i>(use as many sheets as necessary)</i>				Complete if Known		
				Application Number		APPL_NO
				Filing Date		12/02/2003
				First Named Inventor		Dexiang CHEN
				Group Art Unit		Unassigned
				Examiner Name		Unassigned
Sheet 1 of 4				Attorney Docket Number		036481-0143

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	4,945,050		Sanford et al.	07/31/1990	
	A2	5,100,792		Sanford et al.	03/31/1992	
	A3	5,120,657		McCabe et al.	06/09/1992	
	A4	5,149,655		McCabe et al.	09/22/1992	
	A5	5,204,253		Sanford et al.	04/0/1993	
	A6	5,346,481		Bunin	09/13/1994	
	A7	5,503,632		Haak	04/02/1996	
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	A12	5,718,913		Dhuique-Mayer et al.	02/17/1998	
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	A16	5,840,336		Hsu et al.	11/24/1998	
	A17	5,865,796		McCabe	02/02/1999	
	A18	5,871,460		Phipps et al.	02/16/1999	
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	A20	5,900,238		Gombotz et al.	05/04/1999	
	A21	5,919,463		Thomas, Jr. et al.	04/06/1999	
	A22	5,968,006		Hofmann	10/19/1999	
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	A24	5,989,586		Hsu et al.	11/23/1999	
	A25	6,008,200		Krieg	12/18/1999	
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	A27	6,010,705		Thune et al.	01/04/2000	
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FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A31		WO 94/24263			10/27/1994		
	A32		WO 96/02555			02/01/1996		
	A33		WO 96/04947			02/22/1996		
	A34		WO 96/12513			05/02/1996		
	A35		WO 96/14855			05/23/1996		
	A36		WO 96/20022			07/04/1996		

 Examiner
Signature

 Date
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	A37		WO 97/44446			11/27/1997		
	A38		WO 97/48485			12/24/1997		
	A39		WO 98/10750			03/19/1998		
	A40		WO 98/20734			05/22/1998		
	A41		WO 99/27961			06/10/1999		
	A42		WO 99/33488			07/08/1999		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ⁶
	A43	LOBB, C.J., (1987) Developmental and Comparative Immunology <u>11</u> : 727-738 (abstract only)		
	A44	HART et al., (1988) Developmental and Comparative Immunology <u>12</u> :453-480 (abstract only)		
	A45	DICKERSON et al., (1988) Immunological Reviews <u>166</u> :377-384 (abstract only)		
	A46	ORKIN et al., (1995) "Report and Recommendations of the Panel to Assess the NIH Investment in Research on Gene Therapy"		
	A47	PAUL et al., (1995) Eur. J. Immunology <u>25</u> :3521-3524		
	A48	KRIEG et al., (1995) Nature <u>374</u> :546-549		
	A49	SATO et al. (1996) Science <u>273</u> :352-354		
	A50	WOOLDRIDGE et al. (1997) Blood <u>89</u> :2994-2998		
	A51	KLINMAN, D.M. (1998) Antisense and Nucleic Acid Drug Development <u>8</u> :181-184		
	A52	KRIEG, A. (1998) Biodrugs <u>10</u> :341-346		

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	A53	MACFARLANE et al. (1998) J. Immunology <u>160</u> :1122-1131	
	A54	GLENN et al. (1998) J. Immunology <u>161</u> :3211-3214 (abstract only)	
	A55	GUY et al. (1998) Vaccine <u>16</u> :850-856 (abstract only)	
	A56	MCCLUSKIE et al. (1998) J. Immunology <u>161</u> :4463-4466	
	A57	SPARWASSER et al. (1998) J. Immunology <u>28</u> : 2045-2054	
	A58	PORTER et al. (1998) Archives of Virology <u>143</u> :997-1003	
	A59	MOLDOVEANU et al. (1998) Vaccine <u>16</u> :1216-1224	
	A60	PAUL et al. (1998) Vaccine <u>16</u> :188-195	
	A61	SPIEGLBERG et al. (1998) Allergy <u>53</u> :93-97	

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	A62	WEINER et al. (1998) Proceedings of the American Association of Cancer Research <u>39</u> :551, col. 1, abstract number 3747		
	A63	VINNER et al. (1999) Vaccine <u>17</u> :2166-2175		
	A64	MCCLUSKIE et al. (1999) Critical Reviews in Immunology <u>19</u> :303-329		
	A65	SCHARTON-KERSTEN et al. (1999) Vaccine <u>17</u> (suppl. 2):S37-S43		
	A66	MCCLUSKIE et al. (1999) Vaccine <u>18</u> :231-237		
	A67	GLENN (1999) Infection and Immunity <u>67</u> :1100-1106		
	A68	GLENN et al. (1999) "Avances in vaccine delivery: transcutaneous immunization," Expert Opinion On Investigational Drugs <u>8</u> (6):797-805		
	A69	BABIUK et al. (2000) J. Controlled Release <u>66</u> :199-214		

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